

## Electronic Supplementary Information for *Soft Matter* manuscript: Microstructures and mechanics in the colloidal film drying process

Mu Wang     John F. Brady

Division of Chemistry and Chemical Engineering  
California Institute of Technology  
Pasadena CA 91125, USA

Figures S1, S2, and S3 present the constant normal stress drying results at stress Péclet numbers  $Pe_\Sigma = 2, 10$ , and  $50$ , corresponding to Figures 5, 6, and 11 in the manuscript, respectively.

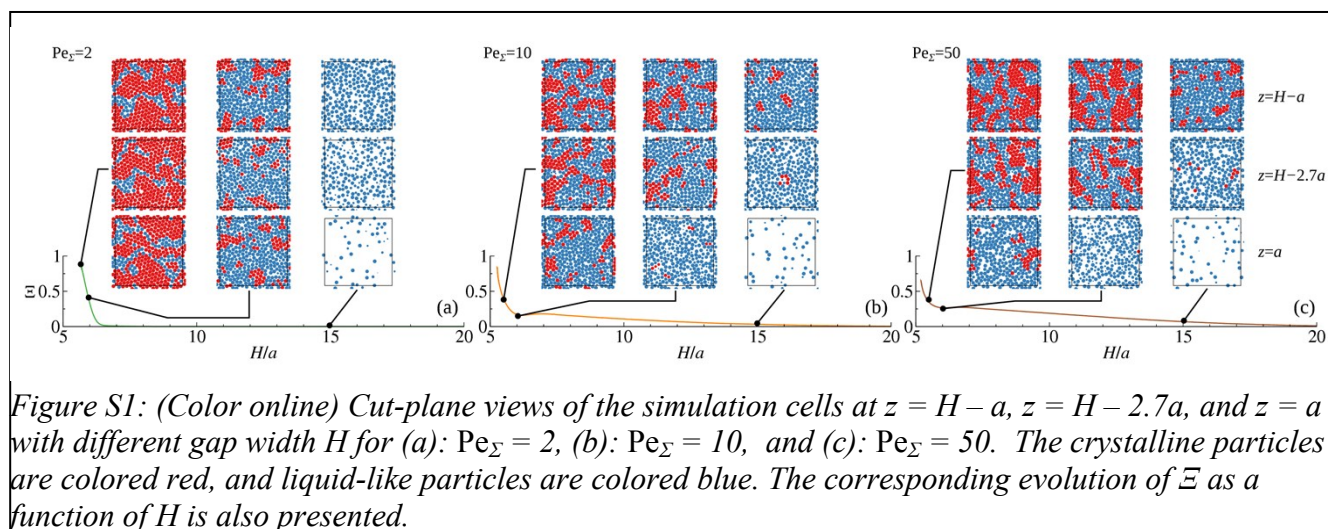


Figure S1: (Color online) Cut-plane views of the simulation cells at  $z = H - a$ ,  $z = H - 2.7a$ , and  $z = a$  with different gap width  $H$  for (a):  $Pe_\Sigma = 2$ , (b):  $Pe_\Sigma = 10$ , and (c):  $Pe_\Sigma = 50$ . The crystalline particles are colored red, and liquid-like particles are colored blue. The corresponding evolution of  $\Xi$  as a function of  $H$  is also presented.

